

PATENT ABSTRACTS OF JAPAN

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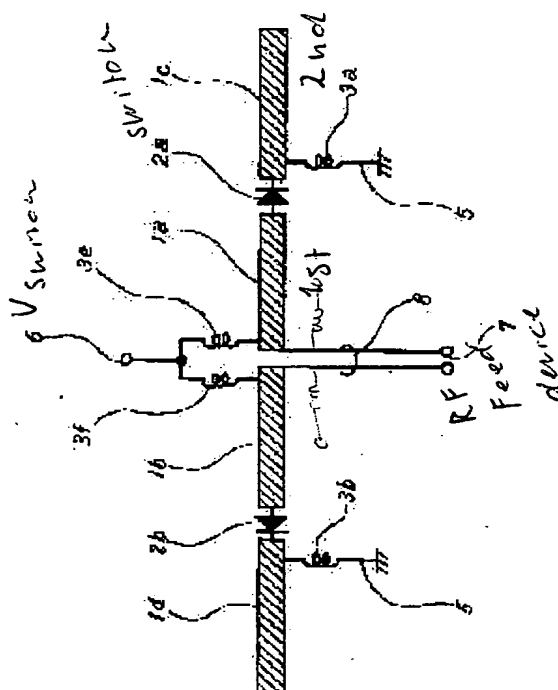
(54) ANTENNA SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To actualize a multifrequency common-use antenna which can have its resonance frequency switched under simple control and is affected little by multifrequencies.

SOLUTION: This is a dipole antenna or monopole antenna constituted by using a linear conductor or a dipole antenna or monopole antenna constituted on a dielectric substrate. Radiation element parts of the dipole antenna are each composed of at least two metal pieces, and the metal pieces of respective radiation elements are connected through diode switch circuits 2a and 2b; and metal pieces 1a to 1f having feed points connect one end of a filter circuit, which cuts off a high-frequency signal nearby the

feed points and connect the other end of this filter circuit to a control terminal and metal pieces having no feed point, are short-circuited to a ground plate via the filter circuit which cuts off a high-frequency signal nearby the points of connections with adjacent metal pieces.



LEGAL STATUS

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